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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/516,818	12/07/2004	Junzo Tanaka	043070	. 5270
2002.	7590 04/09/200 HATTORI DANIFI		EXAM	INER
1250 CONNEC	RMAN, HATTORI, DANIELS & ADRIAN, LLP NNECTICUT AVENUE, NW NAFF, DAVID M			
SUITE 700 WASHINGTON	N, DC 20036		ART UNIT	PAPER NUMBER
			1657	•
SHORTENED STATUTORY	Y PERIOD OF RESPONSE	MAIL DATE	DELIVER	Y MODE
31 D	AYS	04/09/2007	PAF	PER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

•	Application No.	Applicant(s)
	10/516,818	TANAKA ET AL.
Office Action Summary	Examiner	Art Unit
	David M. Naff	1657
The MAILING DATE of this communication ap	pears on the cover sheet with t	he correspondence address
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.	PATE OF THIS COMMUNICAT	TION.
after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	will apply and will expire SIX (6) MONTHS e, cause the application to become ABAND	from the mailing date of this communication. ONED (35 U.S.C. § 133).
Status		
1)⊠ Responsive to communication(s) filed on <u>07 L</u>	December 2004.	
2a) This action is FINAL . 2b) This	s action is non-final.	
3) Since this application is in condition for allowa	ince except for formal matters,	prosecution as to the merits is
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11	, 453 O.G. 213.
Disposition of Claims		
4)⊠ Claim(s) <u>9-15</u> is/are pending in the application	1	
4a) Of the above claim(s) is/are withdra		
5) Claim(s) is/are allowed.		
6)☐ Claim(s) is/are rejected.		
7) Claim(s) is/are objected to.		
8) Claim(s) 9-15 are subject to restriction and/or	election requirement.	
	·	
Application Papers		
9) The specification is objected to by the Examine		
10) The drawing(s) filed on is/are: a) acc		
Applicant may not request that any objection to the		·
Replacement drawing sheet(s) including the correct		
11) The oath or declaration is objected to by the Ex	xaminer. Note the attached Of	fice Action or form PTO-152.
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C. § 11	9(a)-(d) or (f).
a)⊠ All b)□ Some * c)□ None of:		
 Certified copies of the priority document 	ts have been received.	
Certified copies of the priority document	ts have been received in Appli	cation No
Copies of the certified copies of the prior	rity documents have been rec	eived in this National Stage
application from the International Burea	u (PCT Rule 17.2(a)).	
* See the attached detailed Office action for a list	of the certified copies not rece	eived.
		- ,
	•	
Attachment(s)		
) Notice of References Cited (PTO-892)	4) 🔲 Interview Sumn	nary (PTO-413)
		ail Date

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Election/Restrictions

A preliminary amendment of 12/7/04 canceled claims 1-8 and added new claims 9-15.

Claims in the application are 9-15

5 Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions, which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 9-14, drawn to a composite material with a composition gradient of calcium phosphate in one or more types of biodegradable polymer materials selected from among glycosaminoglycan, collagen and a composite thereof, and an implant containing the composite material.

Group II, claim(s) 15, drawn to a method of producing a composite material with a composition gradient of calcium phosphate in a biodegradable polymeric material by alternately soaking one side or part of the biodegradable polymeric material in a calcium ion-containing solution, and the other side in a phosphate ion-containing solution.

The inventions listed as Groups I and II do not relate to a single 25 general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the special technical feature of invention I is a composite material with a composition gradient of calcium phosphate in a biodegradable polymeric material. The special 30 technical feature invention II is a method for producing a composite material with a composition gradient of calcium phosphate in a biodegradable polymeric material by alternately soaking the biodegradable material in a calcium ion-containing solution and a 35 phosphate ion-containing solution. The composite material of invention I can be produced without the alternate soaking in different solutions in the process of invention II. The composition gradient of invention I can be produced by providing the biodegradable material

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with different size pores so that different amounts of a calcium phosphate solution can diffuse from solution into the pores. The method of invention II can produce a composite material other than required by invention I since the method of invention II does not require the biodegradable material to be glycosaminoglycan, collagen or composite thereof as required by invention I. Additionally, the composition gradient of inventions I and II can be different.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the

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application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to David M. Naff whose telephone number is 571-272-0920. The examiner can normally be reached on Monday-Friday 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jon Weber can be reached on 571-272-0925. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Primary Examiner

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DMN 3/30/07